

DEPARTMENT of ENVIRONMENTAL SERVICES
Water Division - Watershed Management Bureau

LAKE TROPHIC DATA

MORPHOMETRIC:

Lake: COON BROOK BOG	Lake Area (ha):	6.07
Town: PITTSBURG	Maximum depth (m):	1.2
County: Coos	Mean depth (m):	0.6
River Basin: Connecticut	Volume (m ³):	37500
Latitude: 45°08'37" N	Relative depth:	0.6
Longitude: 71°15'10" W	Shore configuration:	3.41
Elevation (ft): 1980	Areal water load (m/yr):	43.83
Shore length (m): 2975	Flushing rate (yr ⁻¹):	71.20
Watershed area (ha): 361.0	P retention coeff.:	0.38
% watershed ponded: 0.0	Lake type:	natural w/dam

BIOLOGICAL:

22 August 2000

DOM. PHYTOPLANKTON (% TOTAL)	#1	TABELLARIA 38%
	#2	DINOBRYON 34%
	#3	ASTERIONELLA 20%
PHYTOPLANKTON ABUNDANCE (units/mL)		
CHLOROPHYLL-A (µg/L)		2.32
DOM. ZOOPLANKTON (% TOTAL)	#1	SPARSE - NO DOMINANT
	#2	
	#3	
ROTIFERS/LITER		12
MICROCRUSTACEA/LITER		37
ZOOPLANKTON ABUNDANCE (#/L)		49
VASCULAR PLANT ABUNDANCE		Very abundant
SECCHI DISK TRANSPARENCY (m)		1.2 Visible on bottom
BOTTOM DISSOLVED OXYGEN (mg/L)		8.4
BACTERIA (E. coli, #/100 ml)	#1	
	#2	
	#3	

SUMMER THERMAL STRATIFICATION:

not stratified

Depth of thermocline (m): None
Hypolimnion volume (m³): None
Anoxic volume (m³): None

CHEMICAL:

Lake: COON BROOK BOG

Town: PITTSBURG

	22 August 2000				
DEPTH (m)			1.0		
pH (units)			7.1		
A.N.C. (Alkalinity)			17.7		
NITRATE NITROGEN			< 0.05		
TOTAL KJELDAHL NITROGEN			0.38		
TOTAL PHOSPHORUS			0.009		
CONDUCTIVITY (μ mhos/cm)			46.9		
APPARENT COLOR (cpu)			57		
MAGNESIUM			0.97		
CALCIUM			7.0		
SODIUM			< 1.0		
POTASSIUM			< 0.40		
CHLORIDE			< 2		
SULFATE			2		
TN : TP			42		
CALCITE SATURATION INDEX					

All results in mg/L unless indicated otherwise

TROPHIC CLASSIFICATION: 2000

D.O. S.D. PLANT CHL TOTAL CLASS

**	3	6	0	9	Meso.
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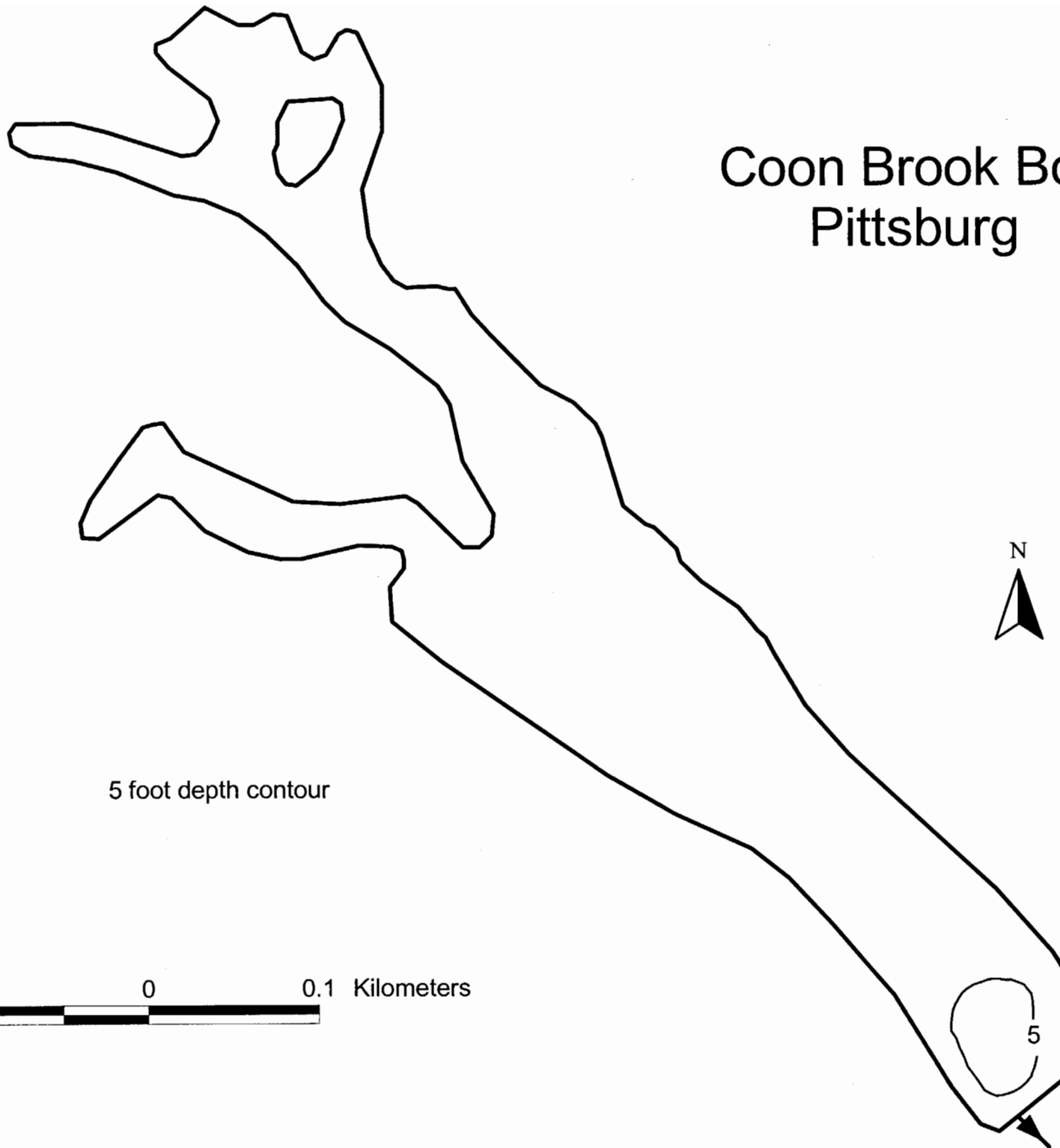
COMMENTS:

1. No winter samples collected.
2. Motors are not allowed on this pond.
3. Access road dead-ends at the pond. No real launch site but a canoe or small row boat can be launched adjacent to the dam..

Coon Brook Bog Pittsburg



5 foot depth contour



[illegible]

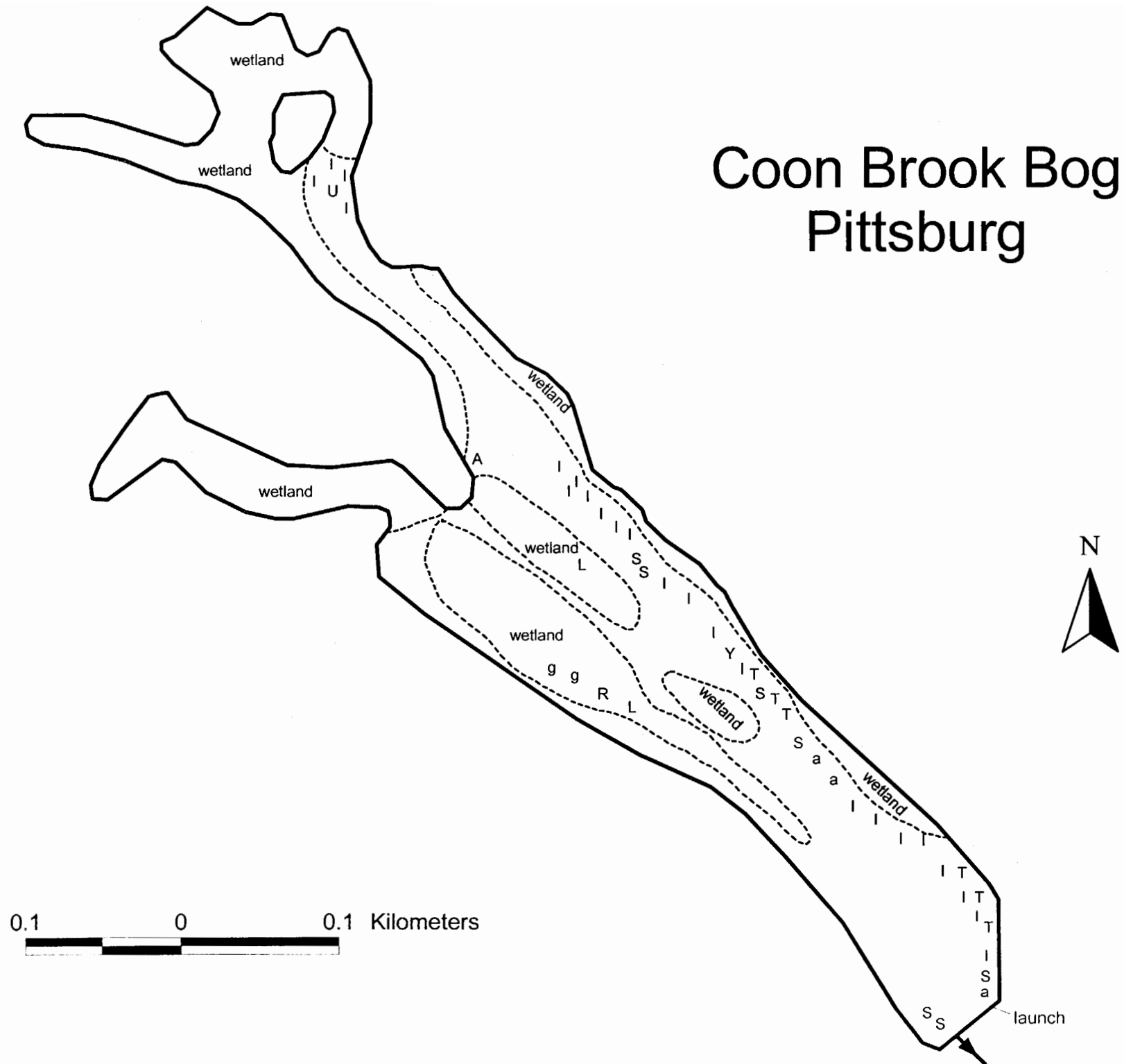
TOWN: PITTSBURG
WEATHER: MOSTLY SUNNY, VERY WINDY

[illegible]

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SECCHI DISK (m):      1.2 VOB      COMMENTS:
BOTTOM DEPTH (m):     1.2
TIME: 1350
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*Dissolved oxygen values are in mg/L

Coon Brook Bog Pittsburg



AQUATIC PLANT SURVEY

LAKE: COON BROOK BOG

TOWN: PITTSBURG

DATE: 08/22/2000

[illegible]

OVERALL ABUNDANCE: Very abundant

GENERAL OBSERVATIONS:

1. This is a very shallow, weedy pond. Much of the pond is marsh with very little open water. It is more wetland than pond.
2. It was very difficult to do an accurate plant survey because of the abundance of plants. Much of the area is labeled "wetland" on the map.
3. The most abundant plants were part of the "wetland" designation. Because of this, the map is deceiving by showing Iris (I) to be the most numerous individually depicted plant on the map.